[System and Method for Dynamically Caching Dynamic Multi-Sourced Persisted EJBs]

Abstract of Disclosure

Dynamic Multi-sourced Persisted Enterprise Java Bean (EJB) instances are dynamically created on a J2EE compliant Application Server to access data contained in multiple data source systems. This Dynamic Multi-sourced Persisted EJB is a general class responsible for dynamically aggregating source system information and caching it based on a Context definition. Individual EJB attributes that include mapping, caching and security definitions are mapped to individual pieces of data in source systems by the Context definition. A caching definition can be reloaded during execution as desired. Applications can access the Dynamic Multi-sourced Persisted EJB directly, or use a Session EJB to create a static interface to the dynamically mapped, cached and secured data. Bi-directional synchronization of the cache between client and source system data and modifications of data attributes are achieved without recoding, recompiling and redeploying of custom coded solutions.

Figures